WILLIAM R. SANDERS, B.L., M.D., L.R.C.S.E.,

YEAR-PRESENCE OF THE MERODO-CHIRITICOLE DOUBLET OF ECHEMOLES, THE MANY MEANS AND EXAMINED, HOTAL COLLEGE OF PRINCENS OF BLUESTON IS READ OF THE MERODIC STREET, AND EXAMINED, HOTMOSTON OF ALIGNATING PRINCENS THE MERODIC AND OF THE PRINCE STREET, THE MERODIC AND OFTEN ADDITIONAL THE MERODIC AND OTHER ADDITIONAL THE MERODIC ADDITIONAL THE MEROD

LECTURES.

Demonstrations of the Pathological Preparations in the Museum of the Royal College of Surgeons of Edinburgh. (Course of Thirteen Demonstrations on Saturdays, open to Students of Medicine—attended by 32-34 Studenta.)

1855-6 to 1868-9.

Six Months' Course of Lectures on Physiology, or the Institutes of Medicine, including Histology (and Outlines of Pathology).

1869.

Practical Class of Histology in Summer. 1861-1869.

Lectures and Instruction in Clinical Medicine at the Royal Infirmary of Edinburgh.

Introductory Address, delivered at the Medical and Surgical School, on the opening of the Session 1860-61. Published in Elisharoh Medical Journal, October 1861, p. 351. Lectures delivered at the Conversaziones of the Royal College of Surgeons of Edinburgh:—

On the Cell Theory. January 1856.

2. On the Electricity of Nerves. June 1858.

3. On Reproduction in the Animal Kingdom. January 1861.

Lecture delivered at Surgeons' Hall, before the British Maring that Association, during their Moetting in Elihouzgh, Adaptat 1838, estuited "Observations on some of the Objects of Interest contained in the Museum of the Royal College of Surgeons of Echibunghs" (chiefly on the Pathological Specimens), Report of this Lecture published in the British Medical Journal, 1888, a 675 (not corrected by mwalf).

In this lecture, the following pressage, advecting the study of methid

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LIST OF PUBLISHED WORKS AND COMMUNICATIONS TO

A MONOGRAPH ON THE STRUCTURE OF THE SPLEEN, 56 pp., with Plate,

In Avails of Austrony and Physiology, edited by Professor Goodsir. 1850. Also published separately.

For this a gold modal was awarded at the Medical Graduation at the University of Elinburgh in 1849.

versity of Edinburgh in 1980.

Referred to by Bérard (Cours de Physiologie), Longet, Killiker, Funke, Gray
on the Splets, Besnett on Loncopythamia, Quain and Sharpey, Todd and
Bownson, Carpentor, Kirkos, and in other standard works on Anatomy and
Physiology.

MONOGRAPH ON PARALYSIS AGITANS, pp. 19; MONOGRAPH ON METALLIC TREMOR, pp. 9;

In Branchi Boynohi's States of Medicine, val. it.

1849.

On the Physiological Anatomy of the Spleen. (Preliminary Notice in Medical Times, April 1849, p. 490.)

1851.

Microscopic Illustrations in Professor Christison's Lecture on Bright's Disease of the Kidneys.—Edinburgh Monthly Medical Journal, June 1851, xii. pp. 562-7. Reproduced in Dr Bennett's Work on Clinical Medicine, 5th Edition, p. 822.

Abstract of Claude Bernard's Observations on the Production of Sugar in the Liver of Man and Animals, in Edinburgh Monthly Medical Journal, September 1851, p. 290.

Demonstration that Crystallisation of Blood occurs in the Systemic as well as the Splenic Blood of Mammala.—Mentioned by Henlé in Caustat's Jahresbericht for 1851, I. 37.

1852.

On Helmholz's Speculum for examining the Retina in the Living Eye.—Educburgh Monthly Medical Journal, July 1852, xv. 40 (first Introduction of Ophthalmoscope into Britain).

ON THE CONNEXION OF THE MINUTE AUTRIES WITH THE MALPIGHIAN BODIES OF THE SPLESN (Meeting of Physiclogical Society of Edinburgh, January 31, 1851) .- Edinburgh Monthly Medical Journal, 1852, xiv. 286, [Demonstration that the Minute Arteries pass through the Malpighian Body: referred to and confirmed by Huxley in the Quarterly Journal of Microscopical Science, January 1854, ii. 76, and in Kalli-ker's Histology, translated for Sydenham Society, ii. 425.

On the Development of Pus Corpuscles in the Vesicles of Smallpox (Physiological Society, February).—Edinburgh Monthly Medical Journal, May 1852, p. 479.

On the Contents of the Cyst in a Case of Ranula, L c.

ON MORBID ALTERATIONS IN THE MALPICHIAN BODIES OF THE HUMAN SPLEEN (Physiological Society, November 1852). —Edinburgh Medical Journal, January 1853, p. 84. (Transparent or Waxy Degeneration; and Extravasation of Blood in connexion with it.)

1853. Biliary Calculus, and Soft Concretion from the Cystic Duct

(Physiological Society, February 1853) .- Edinburgh Medical Journal, May 1858, p. 469.

On the Trichina Spiralis (Physiological Society, March 1853),-Edinburah Medical Journal, May 1853, p. 473.

ON WAXY DESERBATION (Physiological Society, 17th December 1853).— Edinburgh, Medical Journal, February 1854, pp. 187, 188. (Translated into German by Virchow in Leistungen in der Puthologischen Anatomie, Canstatt's Jahresberickt, 1854, ii. 21; reviewed by Professor Parkes in British and Foreign Medico-Chirocopical Review, October 1854, p. 417-419

This communication contains the description of waxy splom, and general statements on the nature of waxy degeneration (subsequently called "any-loid degeneration" by Virelow). Among other references it is thus sodien

of by Dr Altken, Professor of Pathology in the Army Medical School, in his work on the Science and Practice of Modeline, 5th edition, 1868, i. p. 120:"But Des Gairdner and Sanders of Edinburgh bad anticipated many of the views and descriptions of the Berlin professor; and, quite independently of Virghow, they initiated in this country the first steps in the elucidation of this very remarkable degeneration. They showed that the waxy condition of the liver and kidney was due to the same change as that which was seen to take place in the spleen. These valuable communications were made to the Physiological Society of Edinburgh, and an account of there may be wed in the Edisburgh Monthly Journal of Medical Science for Pehruary 1854, p. 183, and also in May of the same year."

Also, at p. 130;-" In this remarkable degeneration, an accumintance with a new fact in Pathology unput be recognized,-i.e., since 1854,-associating itself with grave constitutional disease, and distinguished from every other morbid condition hitherto known by the physical, chemical, and physicalerical characters just described." See also the description of waxy (smytoid or lardneous) kidney p. 118:-- Gairdner, Sanders, and Virolow, were the first to discover the true nature of this degeneration of the kidney." And spleen, ii. up. 947-8. See also Murchisen's Translation of Frezichs on Diseases of the Liver, ii. 168, footnote,

Reaction of Cellulose or Waxy Spleen (Physiological Society, February 1854).-Edinburgh Medical Journal, April 1854, p. 381,

Waxy Spicen; the Trabeculæ affected: Cellulose Reaction. (Physiological Society, April 1854), -Edinburgh Medical Joursal, November 1854, p. 468. (Referred to as an original observation by Virchow in his Archiv, viii, p. 143.) Mit Rocht hebt Sanders berver dess such die Trabekeln verändert werden:

ich sah sie verdickt und nach der einwirkung der Reagentien durch und durch 1860

bles weeden, etc.

Tubal Presmancy (Communication to Medico-Chirarpical Society),-Edinburgh Medical Journal, July 1860, p. 76. Open Ductus Arteriosus-Case and Dissoction.-Loc. cit., p. 77.

1864.

Cancer of the Bladder: Fragments forming Urethral Place discharmed in the Urine: Case and Dissection (Medico-Chirurgical Society).-Edinburgh Medical Journal, September 1864, p. 273

Coal-Miners' Phthisis: Minute Fragments of Coal expectorated, as shown by Microscopic Examination (Medico-Chirarrical Society). - Edinburah Medical Journal, Sentember 1864, p. 274. (Referred to in Dr Warburton Begbie's Paper on Anthracosis or Coal-Miner's Phthisis, p. 19.—Glasgow Medical Journal, September 1866, p. 178.)

1865.

Cancer of the Brain—Case and Dissection (Medico-Chirurgical Society).—Edinburgh Medical Journal, April 1865, p. 956.

Case of an Unusual Form of Nervous Disease,—Dystaxia or Pseudo-Paralysis Agitans (read before the Medico-Chirurgical Society of Edinburgh, April 1865).—Edinburgh Medical Journal, May 1865, p. 887.

ON PARALYSIS OF THE PALATE IN FACIAL PALSY.—Edinburgh Medical Journal, August 1865, p. 140; reprinted in Dublin Medical Press, September 1865, pp. 247 and 269. (Referred to by Dr Bazin in his Translation of Tronsceas's Chinical Medicine for the New Sydenham Society, vol. i. p. 510, Nost).

Vertical Hemiplegia of the Palate in a Case of Diabetes Mellitus.—Ediaburgh Medical Journal, September 1865, p. 244. On Facial Hemiplegia and Paralysis of the Facial

NERVE.—Loncet, 21st and 28th October 1865, pp. 452 and
478. (Referred to by Professor Aitken, op. cit., ii. p. 463.)

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1866.

Purulent Phlebitis (Medico-Chirungical Society).—Edinburgh Medical Journal, Fibruary 1866, p. 761. Cited by Braidwood on Pyemia, Astley Cooper Prize Essay, 1868, p. 285. Dilatation of the Bronchi (Medico-Chirurgical Society),... Edinburgh Medical Journal, February 1866, p. 762,

On APHASIA: Case illustrating the supposed Connexion of Aphasia (loss of the Cerebral Faculty of Speech) with Right Hemiplegia and Lesion of the Third Left Frontal Convolution of the Brain .- Edinburgh Medical Journal, March 1866, p. 811. This and my other papers on Ashasia are referred to by Hughlings Jackson. Batoman, Orda, and other writers. Dr (Rimansson of Sweden (None Clause of Apharia, Dublin Quarterly Medical Journal, November 1868, p. 488) says :-"In England the subject has interly been followed up with interest. Hugh-lings Jackson (Louden Hangitel Reports, 1864) gives an account of facty cases. in all of which, with one exception, the hemiplegia was dexical. The first case with post morten examination, and confirming Becca's views, was brought forward by Sanders (Edinburch Medical Journal, 1866, Polymore). In a recent case by the same author, the greatest change was found in the invala-Reifii. which led him to express the opinion, that possibly the insulo Reilii rather than the gyess frontells terrise is the point on whose integrity the power of speech depends. Sanders sessmes, with Benilland, two forms of anksia-americanic and staxic; but believes, nevertheless that in arbasia a cortain degree of defect of memory is always met with." Etc., etc.,

Case of Aphasia—patient, living (Medico-Chirungical Society).—Edinburgh Medical Journal, March 1866, p. 856. Aphasia, with Right Hemiplegia; Lesion in the Island of

Reil, extending into the External Frontal Convolution, in Lance, June 1896, p. 656. (In,this paper, the Island of Reil was suggested as probably the seat of lesion in localized Aphasia.)

Description of Enormous Fibroid Tumour of the Uterus, excised by Dr James Gillespie.—Edinburgh Medical Journal, July 1866, p. 34.

Case of Pyle-Phlebitis, or Inflammation of the Portal Vein with Dissection (Medico-Chirurgical Society). — Edinburgh Medical Journal, July 1866, p. 68.

Case of Aphasia and Right Hemiplegia, with Dissection (with similar Case by Dr Warburton Begbie).—Edinburgh Medical Journal, August 1866, p. 124.

Medical Journal, August 1866, p. 124.

Case of Addison's Disease (Medico-Chirargical Society.)—

Edinburch Medical Journal, April 1866, p. 953,

Case of Poisoning with the Rhus Toxicodendron (read before the Medico-Chirurgical Society, Edinburgh, January 1868). -Edinburgh Medical Journal, February 1868, p. 714.

Case of Albuminuria with Dropsy; Atrophic Bright's Disease of Kidney with Waxy (Amyloid) Malpighian Bodies. Paracentesis Abdominis fourteen times repeated: Temporary Disappearance of all the Urgent Symptoms. Death from Palmonary (Edema and Urmmia. Autopsy, Under Dr Sanders of Edinburgh, and afterwards Professor Gairdner of Glasgow .--Glasgos Medical Journal, February 1868, p. 387.

On the Variation and Vanishing of Cardiac Organic Valvalar Murmurs (read before the Medico-Chirurgical Society, Edinburgh, April 1868),-Edinburgh Medical Journal, January 1869, p. 584.

1869. CASE OF HEART DISEASE: PARTIAL FIBROID DEGENERA-

TION, THE RESULT OF MYO-CARDIVIS, (read before the Medico-Chirurgical Society, Edinburgh, December 1868).-Edinburgh Medical Journal, February 1869, p. 673.

Large Cysto-cancerous Tumour of the Omentum: Case and Dissection (Medico-Chirurgical Society).—Edinburgh Medical Journal, June 1869, p. 1132.

Mercurio-Syphilitic Deposits in the Brain, and Deformity of the Liver (Medico-Chirurgical Society, Edinburgh),-Edinburnh Medical Journal, June 1869, p. 1133.